

5620

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/520,901
Source: PU/10
Date Processed by STIC: 1/24/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

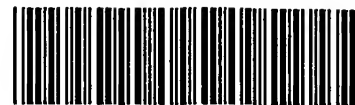
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/520,901</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 ____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 ____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 ____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 ____ Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 ____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 ____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 ____ Use of <220>	Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 ____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ____ Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



PCT

RAW SEQUENCE LISTING

DATE: 01/24/2005

PATENT APPLICATION: US/10/520,901

TIME: 10:01:10

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

2 <110> APPLICANT: KANSAI TLO
 W--> 3 <120> TITLE OF INVENTION: Selective Replication of Tumor-specific Replication-competent Adenovirus

W--> 4 on Tumor Cells

W--> 5 <130> FILE REFERENCE: 42002JP

W--> 6 <140> CURRENT APPLICATION NUMBER: 10/520,901

7 <141> CURRENT FILING DATE: 2005-01-07

W--> 8 <160> NUMBER OF SEQ ID: 8

9 <170> SOFTWARE: PatentIn Ver. 2.1

11 <210> SEQ ID NO: 1

12 <211> LENGTH: 899

13 <212> TYPE: DNA

14 <213> ORGANISM: 293 cell

W--> 15 <400> SEQUENCE: 1

16	acaccgggac	tgaaaatgag	acatatattac	tgccacggag	gtgtttattac	cgaagaaatg	60
17	gccgccagtc	ttttggacca	gctgatcgaa	gaggtactgg	ctgataaatct	tccacctcct	120
18	agccattttg	aaccacctac	ccttcacgaa	ctgtatgatt	tagacgtgac	ggcccccgaa	180
19	gatcccaacg	aggaggcggg	ttcgcagatt	tttcccgaact	ctgtaatggt	ggcgggtgcag	240
20	gaagggattg	acttactcac	ttttccgccg	gcgcccgggt	ctccggagcc	gcctcacctt	300
21	tcccggcagc	ccgagcagcc	ggagcagaga	gccttgggtc	cggtttctat	gccaaacctt	360
22	gtaccggagg	tgatcgatct	tacctgccac	gaggtctggc	ttccaccag	tgacgacgag	420
23	gatgaagagg	gtgaggagtt	tgtgttagat	tatgtggagc	accccgggca	cggttgcagg	480
24	tcttgtcatt	atcaccggag	gaatacgggg	gacccagata	ttatgtgttc	gctttgctat	540
25	atgaggacct	gtggcatggt	tgtctacagt	cctgtgtctg	aaacctgagc	tgagcccgag	600
26	ccagaaccgg	agcctgcaag	acctacccgc	cgtcctaaaa	tggcgccctg	tatcctgaga	660
27	cgcccgacat	cacctgtgtc	tagagaatgc	aatagtagta	cggatagctg	tgactccggt	720
28	ccttctaaca	cacctcctga	gatacacccg	gtggtcccgc	tgtgccccat	taaaccagtt	780
29	gccgtgagag	ttggtgggag	tcgccaggct	gtggaatgta	tcgaggactt	gcttaacgag	840
30	cctgggcaac	ctttggactt	gagctgtaaa	cgccccaggc	cataagggtg	aaacctgtg	899

32 <210> SEQ ID NO: 2

33 <211> LENGTH: 1823

34 <212> TYPE: DNA

35 <213> ORGANISM: 293 cell

W--> 36 <400> SEQUENCE: 2

37	ctgacctcat	ggaggcttgg	gagtgtttgg	aagatttttc	tgtgtgtcgt	aacttgtctg	60
38	aacagagctc	taacagtacc	tcttggtttt	ggagggtttc	gtggggctca	tcccaggcaa	120
39	agttagtctg	cagaattaag	gaggattaca	agtgggaatt	tgaagagctt	ttgaaatcct	180
40	gtggtgagct	gtttgattct	ttgaatctgg	gtcaccaggc	gcttttccaa	gagaaggtea	240
41	tcaagacttt	ggatttttcc	acaccggggc	gcgctgcggc	tgtgtgtgct	tttttgagtt	300
42	ttataaaggga	taaatggagc	gaagaaaccc	atctgagcgg	ggggtacctg	ctggattttc	360
43	tggccatgca	tctgtggaga	gcggttgtga	gacacaagaa	tcgctgtcta	ctgttgtctt	420
44	ccgtccgccc	ggcgataata	ccgacggagg	agcagcagca	gcagcaggag	gaagccaggc	480
45	ggcggcggca	ggagcagagc	ccatggaacc	cgagagccgg	cctggaccct	cggaatgaa	540
46	tgttgtacag	gtggctgaac	tgtatccaga	actgagacgc	attttgacaa	ttacagagga	600

pg 1-4
 Does Not Comply
 Corrected Diskette Needed

invalid response- see item 10 on Error Summary Sheet

please align your cumulative totals Per 1.822 of sequence Rules, the totals are aligned at right margin

please align

1/24/05

RAW SEQUENCE LISTING

DATE: 01/24/2005

PATENT APPLICATION: US/10/520,901

TIME: 10:01:10

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

47	tgggcagggg	ctaaaggggg	taaagagggg	gcggggggct	tgtgaggcta	cagaggaggg	660
48	taggaatcta	gcttttagct	taatgaccag	acaccgtcct	gagtgtatta	cttttcaaca	720
49	gatcaaggat	aattgcgcta	atgagcttga	tctgctggcg	cagaagtatt	ccatagagca	780
50	gctgaccact	tactggctgc	agccagggga	tgattttgag	gaggctatta	gggtatatgc	840
51	aaaggtaggca	cttagggcag	attgcaagta	caagatcagc	aaacttgtaa	atatcaggaa	900
52	ttgttgctac	atttctggga	acggggccga	ggtggagata	gatacggagg	atagggtagg	960
53	ctttagatgt	agcatgataa	atatgtggcc	gggggtgctt	ggcatggacg	gggtggttat	1020
54	tatgaatgta	aggtttactg	gccccaat	tagcggtagc	gttttcctgg	ccaataccaa	1080
55	ccttatccta	cacgggtgaa	gcttctatgg	gtttaacaat	acctgtgtgg	aagcctggac	1140
56	cgatgtaagg	gttcggggct	gtgcctttta	ctgctgctgg	aagggggtgg	tgtgtcgccc	1200
57	caaaagcagg	gcttcaatta	agaaatgcct	ctttgaaagg	tgtaccttgg	gtatcctgtc	1260
58	tgagggtaac	tccagggtgc	gccacaatgt	ggcctccgac	tgtggttgct	tcatgctagt	1320
59	gaaaagcgtg	gctgtgatta	agcataacat	ggtagtgagg	aactgcgagg	acagggcctc	1380
60	tcagatgctg	acctgctcgg	acggcaactg	tcacctgctg	aagaccattc	acgtagccag	1440
61	ccactctcgc	aaggcctggc	cagtgtttga	gcataacata	ctgacccgct	gttccttgca	1500
62	tttgggtaac	aggagggggg	tggtcctacc	ttaccaatgc	aatttgagtc	acactaagat	1560
63	attgcttgag	cccagagagca	tgtccaaggt	gaacctgaac	ggggtgtttg	acatgaccat	1620
64	gaagatctgg	aagggtgctga	ggtacgatga	gacccgcacc	aggtgcagac	cctgcgagtg	1680
65	tggcggtaaa	catattagga	accagcctgt	gatgctggat	gtgaccgagg	agctgaggcc	1740
66	cgatcacttg	gtgctggcct	gcacccgcgc	tgagtttggc	tctagcgatg	aagatacaga	1800
67	ttgaggtagt	gaaatgtgtg	ggc				1823

69 <210> SEQ ID NO: 3

70 <211> LENGTH: 605

71 <212> TYPE: DNA

72 <213> ORGANISM: 293 cell

W--> 73 <400> SEQUENCE: 3

74	tgcatctagg	gcggccaatt	ccgcccctct	cctccccccc	cccctaactg	tactggccga	60
75	agccgcttgg	aataaggccg	gtgtgcgttt	gtctatatgt	gattttccac	catattgccg	120
76	tcttttggca	atgtgagggc	ccggaaacct	ggccctgtct	tcttgacgag	cattcctagg	180
77	ggtctttccc	ctctcgccaa	aggaatgcaa	ggctctgtga	atgtcgtgaa	ggaagcagtt	240
78	cctctggaag	cttcttgaag	acaaacaacg	tctgtagcga	ccctttgcag	gcagcggaac	300
79	ccccacctg	gcgacaggtg	cctctgcggc	caaaagccac	gtgtataaga	tacacctgca	360
80	aaggcggcac	aaccccagtg	ccacgtttgt	agttggatag	ttgtggaaag	agtcaaattg	420
81	ctctcctcaa	gcgtattcaa	caaggggctg	aaggatgccc	agaaggtagc	ccattgtatg	480
82	ggatctgata	tggggcctcg	gtgcacatgc	tttacatgtg	tttagtcgag	gttaaaaaaa	540
83	cgtctaggcc	ccccgaacca	cggggacgtg	gttttccttt	gaaaaacacg	atgataagct	600
84	tgcca						605

86 <210> SEQ ID NO: 4

87 <211> LENGTH: 455

88 <212> TYPE: DNA

89 <213> ORGANISM: 293 cell

W--> 90 <400> SEQUENCE: 4

91	tggcccctcc	ctcgggttac	cccacagcct	aggccgattc	gacctctctc	cgtgggggcc	60
92	ctcgtctggc	tccctgcacc	ctgggagcgc	gagcggcgcg	cgggcggggg	agcgcggccc	120
93	agacccccgg	gtccgcccgg	agcagctgcg	ctgtcggggg	caggccgggc	tcccagtgga	180
94	ttcgcgggca	cagacgcccc	ggaccgcgct	ccccacgtgg	cggaggagact	ggggagccgg	240
95	gcacccggtc	tgccccctca	ccttcacgct	ccgcctcctc	cgcgcggacc	ccgccccgtc	300
96	ccgacccctc	ccgggtcccc	ggcccagccc	cctccggggc	ctcccagccc	ctccccctcc	360
97	tttccgcggc	cccgcctctc	cctcgcggcg	cgagtttcag	gcagcgctgc	gtcctgctgc	420

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/520,901

DATE: 01/24/2005

TIME: 10:01:10

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

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98 gcacgtggga agccctggcc ccggccaccc ccgcg 455
100 <210> SEQ ID NO: 5
101 <211> LENGTH: 20
102 <212> TYPE: DNA
103 <213> ORGANISM: 293 cell
W--> 104 <400> SEQUENCE: 5
105 acaccgggac tgaaaatgag 20
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 21
109 <212> TYPE: DNA
110 <213> ORGANISM: 293 cell
W--> 111 <400> SEQUENCE: 6
112 cacaggttta caccttatgg c 21
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 20
116 <212> TYPE: DNA
117 <213> ORGANISM: 293 cell
W--> 118 <400> SEQUENCE: 7
119 ctgacctcat ggaggcttgg 20
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 21
123 <212> TYPE: DNA
124 <213> ORGANISM: 293 cell
W--> 125 <400> SEQUENCE: 8
126 gccacacat ttcagtacct c 21
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RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 01/24/2005

PATENT APPLICATION: US/10/520,901

TIME: 10:01:11

PYI

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3

Seq#:2; Line(s) 37,38,39,40,41,42,43,46,48,49,50,53,54,55,56,57,58,61,62,63

Seq#:2; Line(s) 66

Seq#:3; Line(s) 74,75,76,77,81,82,83

Seq#:4; Line(s) 91,95,97

VERIFICATION SUMMARY

DATE: 01/24/2005

PATENT APPLICATION: US/10/520,901

TIME: 10:01:11

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

L:3 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:283 W: Missing Blank Line separator, <140> field identifier
L:8 M:283 W: Missing Blank Line separator, <160> field identifier
L:15 M:283 W: Missing Blank Line separator, <400> field identifier
L:36 M:283 W: Missing Blank Line separator, <400> field identifier
L:73 M:283 W: Missing Blank Line separator, <400> field identifier
L:90 M:283 W: Missing Blank Line separator, <400> field identifier
L:104 M:283 W: Missing Blank Line separator, <400> field identifier
L:111 M:283 W: Missing Blank Line separator, <400> field identifier
L:118 M:283 W: Missing Blank Line separator, <400> field identifier
L:125 M:283 W: Missing Blank Line separator, <400> field identifier